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SURVEY OF AGRICULTURAL DATA FOR THE USSR, 1 - 18 JANUARY 1953

[Comment: This report presents information from Soviet news-
 papers on agriculture in the USSR as a whole and in 13 of the
 union republics. Progress and statistical data are given on the
 following: sown area, crops, insect control, mechanization,
 agrotechniques, land improvement, and rural electrification.

Numbers in parentheses refer to appended sources.]

USSR

In 1951, 6.7 million hectares were added to the sown area of the USSR.(1)
 In 1953, a number of new effective methods are being applied in USSR agricul-
 ture in the struggle against insect pests. To be produced are several thou-
 sand sprayers which spray hexachlorine in the form of an oily mist. Experi-
 ments made in 1952 by the Ministry of Agriculture USSR have shown that this
 method is highly effective; granary mites, grain weevils, and other insect
 pests were completely exterminated in a short period of time, when the spray
 was used in closed buildings. In 1953, these sprayers will be widely used
 by kolkhozes and sovkhoses in granaries, storehouses, and on livestock farms.

The Ministry of Agriculture USSR is also introducing a new method of
 combating insect pests in the soil by mixing hexachlorine with phosphate
 fertilizers. The chemical is applied to the upper layer of the soil with
 ordinary fertilizer spreaders. A single application rids the soil of
 wireworms (Elateridae) for 3 or 4 years. At present, a combination prep-
 aration is being used, which simultaneously immunizes seed against diseases
 and preserves it from attack by wireworms. Besides, experiments have shown
 that the preparation speeds up germination by several days.(2)

Karelo-Finnish SSR

The following table shows percentage fulfillment of the 1952 - 1953 plan
 for repair of tractors and agricultural machinery in MTS and IMS (meadow
 improvement stations) of the republic:

- 1 -

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| <u>Okrug</u> | <u>5 Jan (3)</u> | <u>10 Jan (4)</u> | | | | <u>15 Jan (5)</u> |
|---------------------|------------------|-------------------|--------------|----------------|--------------------|-------------------|
| | <u>Tractors</u> | <u>Tractors</u> | <u>Plows</u> | <u>Seeders</u> | <u>Cultivators</u> | <u>Tractors</u> |
| Petrozavodskiy | 35 | 36 | 43 | 46 | 26 | 39 |
| Segezhskiy | 35 | 37 | 40 | 35 | 22 | 39 |
| Republic as a whole | 35 | 36 | 43 | 43 | 25 | 39 |

Latvian SSR

In 1950, various gross harvests in the republic compared as follows with 1945: grain, 197 percent; flax fiber, 357 percent; sugar beets, 348 percent; and potatoes, 332 percent. During the Fourth Five-Year Plan, the capacity of the tractor park increased 6.3 times and the volume of tractor work rose 13.2 times.

During the 3 remaining years of the Fifth Five-Year Plan, kolkhozes of the republic are to increase the sown area by 192,000 hectares, including 57,000 hectares in 1953. By 1955, the proportion of the sown area devoted to fodder crops is to be 33.2 percent as compared with 23.3 percent in 1950.(6)

Lithuanian SSR

The following table shows percentage fulfillment of the 1952 - 1953 plan for tractor repair in MTS of the republic:

| <u>Oblast</u> | <u>31 Dec (7)</u> | <u>5 Jan (8)</u> | <u>10 Jan (9)</u> | <u>15 Jan (10)</u> |
|-----------------|-------------------|------------------|-------------------|--------------------|
| Kaunasskaya | 14.8 | 18.0 | 22.5 | 25.8 |
| Klaypedskaya | 16.0 | 18.5 | 23.2 | 24.5 |
| Shyauliyayskaya | 23.4 | 23.7 | 26.6 | 27.5 |
| Vil'nyusskaya | 18.3 | 19.3 | 22.1 | 24.6 |

Belorussian SSR

The following table shows percentage fulfillment of the fourth-quarter 1952 plan for repair of tractors and combines in MTS of the republic, as of 1 January 1953, and percentage fulfillment of the 1952 - 1953 plan, as of 5, 10, and 15 January:

[See table on following page.]

- 2 -

CONFIDENTIAL

| Oblast | 1 Jan (11) | | 5 Jan (12) | | 10 Jan (13) | | 15 Jan (14) | |
|------------------|------------|----------|------------|----------|-------------|----------|-------------|----------|
| | Tractors | Combines | Tractors | Combines | Tractors | Combines | Tractors | Combines |
| Baranovichskaya | 67.0 | 66.6 | 29.9 | 9.2 | 32.8 | 9.2 | 34.3 | 10.7 |
| Bobruyskaya | 86.4 | 82.8 | 37.0 | 11.1 | 38.9 | 11.1 | 39.7 | 11.4 |
| Brestskaya | 91.1 | 37.5 | 37.3 | 7.8 | 38.8 | 7.8 | 40.3 | 9.3 |
| Gomel'skaya | 93.7 | 111.4 | 42.3 | 14.4 | 43.8 | 14.6 | 45.5 | 14.6 |
| Grodenskaya | 90.1 | 100.0 | 36.5 | 18.2 | 39.4 | 19.3 | 41.9 | 19.3 |
| Minskaya | 86.8 | 62.3 | 37.0 | 7.8 | 38.6 | 8.0 | 39.6 | 8.0 |
| Mogilevskaya | 80.2 | 39.4 | 33.1 | 5.5 | 35.1 | 6.3 | 36.4 | 6.6 |
| Molodechnenskaya | 70.1 | 43.7 | 30.2 | 6.1 | 32.5 | 6.1 | 33.5 | 6.1 |
| Pinskaya | 59.8 | 12.5 | 26.9 | 1.6 | 29.9 | 1.6 | 33.0 | 1.6 |
| Poleskaya | 86.3 | 61.3 | 35.5 | 8.1 | 37.0 | 8.6 | 38.6 | 8.6 |
| Polotskaya | 69.4 | 58.3 | 29.4 | 5.8 | 30.8 | 6.4 | 32.2 | 6.4 |
| Vitebskaya | 81.2 | 32.6 | 35.5 | 4.3 | 38.1 | 4.8 | 40.2 | 5.1 |

CONFIDENTIAL

- 3 -

CONFIDENTIAL

50X1-HUM

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Ukrainian SSR

The 1952 plan for grain procurement was fulfilled ahead of schedule in the republic; 66.6 million more pud of wheat were delivered to the state than in 1951 and 192.1 million more pud than in 1940. The plans for delivery of vegetables, grapes, and other agricultural crops were also fulfilled.(15)

At the end of 1952, the 110th kolkhoz in Voroshilovgradskaya Oblast had been electrified. In 1953, dozens of additional kolkhozes are to receive electric power.(16)

Moldavian SSR

In the fall of 1952, MTS and kolkhozes of the republic did not fulfill the plan for plowing of winter fallow. This means that large areas of spring crops must be sown on spring-plowed land and that, in a very short period of time, it is necessary to prepare for sowing hundreds of thousands more hectares than in the spring of 1952. The failure to complete plowing of winter fallow can be compensated for, though not in full, by speedy and good spring plowing.(17)

The following table shows percentage fulfillment of the fourth-quarter 1952 plan for repair of tractors and agricultural machinery in MTS of the republic, as of 1 January 1953(18):

| <u>Okrug</u> | <u>Trac- tors</u> | <u>Includ- ing Cap- ital Re- pairs</u> | <u>Com- bines</u> | <u>Includ- ing Cap- ital Re- pairs</u> | <u>Plows</u> | <u>Seeders</u> | <u>Culti- vators</u> | <u>Shal- low Plows</u> |
|-------------------|-----------------------|--|-----------------------|--|--------------|----------------|--------------------------|--------------------------------|
| Bel'tskiy | 94.2 | 85.3 | 75.6 | 33.3 | 69.7 | 190.0 | 274.0 | 132.2 |
| Kagul'skiy | 96.9 | 76.1 | 54.9 | 28.8 | 86.7 | 183.0 | 126.2 | 83.0 |
| Kishinev- skiy | 97.5 | 88.3 | 51.7 | 18.0 | 77.9 | 138.5 | 165.9 | 129.1 |
| Tiraspol' skiy | 100.2 | 74.1 | 42.7 | 15.9 | 93.1 | 176.5 | 144.7 | 122.0 |

The following table shows percentage fulfillment of the 1952 - 1953 plan for repair of agricultural machinery in the republic, as of 10 January 1953(19):

| Okrug | Tractor-drawn, in MTS | | | Horse-drawn, in Kolkhozes | | | |
|---------------|-----------------------|---------|------------------|---------------------------|-------|---------|------------------|
| | Plows | Seeders | Culti- vators | Shal- low Plows | Plows | Seeders | Culti- vators |
| Bel'tskiy | 29.8 | 39.4 | 46.7 | 34.7 | 65.1 | 59.6 | 65.1 |
| Kagul'skiy | 34.6 | 37.2 | 26.4 | 22.2 | 65.0 | 72.3 | 56.1 |
| Kishinevskiy | 32.7 | 35.5 | 39.9 | 27.3 | 62.9 | 68.3 | 55.5 |
| Tiraspol'skiy | 35.7 | 36.6 | 36.8 | 25.4 | 52.4 | 53.2 | 39.4 |

The following table shows percentage fulfillment of the 1952 - 1953 plan for repair of tractors and combines in MTS of the republic:

- 4 -

CONFIDENTIAL

50X1-HUM

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| <u>Okrug</u> | <u>Tractors</u> | <u>Including Capital Repairs</u> | <u>Combines</u> | <u>Including Capital Repairs</u> |
|-----------------------|-----------------|--|-----------------|--|
| <u>5 Jan 53 (17)</u> | | | | |
| Bel'tskiy | 40.8 | 31.2 | 39.3 | 17.8 |
| Kagul'skiy | 41.2 | 35.3 | 28.1 | 16.0 |
| Kishinevskiy | 43.5 | 39.2 | 29.7 | 8.3 |
| Tiraspol'skiy | 45.0 | 35.7 | 26.3 | 10.2 |
| <u>10 Jan 53 (19)</u> | | | | |
| Bel'tskiy | 42.5 | 32.4 | 40.0 | 17.8 |
| Kagul'skiy | 42.4 | 36.0 | 29.1 | 16.0 |
| Kishinevskiy | 45.4 | 42.4 | 30.0 | 8.3 |
| Tiraspol'skiy | 47.9 | 39.4 | 25.2* | 9.3* |
| <u>15 Jan 53 (20)</u> | | | | |
| Bel'tskiy | 44.0 | 35.1 | 42.1 | 23.1 |
| Kagul'skiy | 43.7 | 37.5 | 30.7 | 20.7 |
| Kishinevskiy | 46.8 | 43.7 | 30.0 | 8.3 |
| Tiraspol'skiy | 49.8 | 40.6 | 27.5 | 9.3 |

* Reduction in combine repair fulfillment figures for Tiraspol'skiy Okrug resulted from incorrect figures provided by the okrug agricultural administration.(19)

Azerbaydzhan SSR

During the 2 years 1951 and 1952, the area devoted to wheat in the republic increased by 175,000 hectares as a result of brush clearing, plowing up virgin land and grazing land, and utilization of internal possibilities in each kolkhoz and sovkhov. During the same period, the average grain yield increased by 4.2 quintals per hectare and the gross harvest by 50 percent in kolkhozes and 8 times in sovkhovs as compared with 1950.

During the 2 years 1951 and 1952, the area devoted to wheat in sovkhovs of the republic tripled and the yield doubled as compared with 1950. The 1952 plan for delivery of grain to the state was fulfilled 120.3 percent by sovkhovs of the republic.(21)

RSFSR

There are 20 state variety-testing stations in Voronezhskaya Oblast. In 1952, dozens of new grain, oleaginous crop, and fodder grass varieties were tested. They included: Odesskaya-3 winter wheat, which yields as high as 47 quintals per hectare; Khar'kovskaya-194 rye, which is high yielding, produces large kernels, and is resistant to lodging; hard spring wheats narodnaya and melyanopus-69, which gave good results on both irrigated and unirrigated land.(22)

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There are now 113 MTS and 2 IMS (meadow improvement stations) in Moskovskaya Oblast.(1)

The Mirslavskaya GES with a capacity of 470 kilowatts has gone into operation in Ivanovskaya Oblast. This rural hydroelectric power station is the first of a series of stations to be built on the Nerl' River. Seventy populated points in An'kovskiy Rayon received power, and the rayon now joins Ivanovskiy and Komsomol'skiy rayons in being fully electrified. About 40 kolkhoz electric power stations are now in operation in the oblast; six of these were activated in 1952.(23)

The Nezlobnenskaya GES, built on the bank of the Podkumok River, a small mountain river in Georgiyevskiy Rayon, Stavropol'skiy Kray, went into operation on 2 January. It is the seventh hydroelectric power station to be built on the river.(24)

Kazakh SSR

In 1952, MTS and MZHS (mechanized animal husbandry stations) of the republic performed more than 27 million hectares (in terms of soft plowing) of tractor work in kolkhozes of the republic. In 1953, the volume of tractor work is to increase by almost one third.(25)

In 1952, sovkhoses of the republic received from the state 480 trailer and 100 self-propelled combines, 1,380 hay mowers, 170 stationary and mobile grain driers, and large numbers of other machines such as trucks, tractors, winnowing machines, harrows, and plows. Working of the soil, sowing, and harvesting are now fully mechanized in sovkhoses of the republic.(26)

The struggle for water has great significance in western Kazakhstan and particularly in Aktyubinskaya Oblast. Through construction of simple hydrotechnical installations for estuarine irrigation, it would be possible, in sovkhoses of this oblast alone, to gain up to 100,000 hectares of high-yielding hay land, to irrigate about 30,000 hectares, and to supply water to up to 400,000 hectares of pastures. Thus far, these possibilities have not been realized; year after year, the sovkhoses of Aktyubinskaya Oblast have failed to fulfill the plan for water-respurce construction work.(27)

Uzbek SSR

The following table shows percentage fulfillment of the 1952 - 1953 plan for tractor plowing of winter fallow in kolkhozes of the republic:

| Oblast | 31 Dec (28) | 5 Jan 53 (29) |
|-----------------------|----------------------------------|----------------------------------|
| | Plowed Since Beginning of Season | Plowed Since Beginning of Season |
| Andizhanskaya | 33.1 | 34.9 |
| Bukharskaya | 56.8 | 71.6 |
| Ferganskaya | 45.0 | 45.3 |
| Kara-Kalpakskaya ASSR | 7.8 | 7.8 |
| Kashka-Dar'inskaya | 80.6 | 80.6 |
| Khorezmskaya | 4.9 | 4.9 |
| Namanganskaya | 22.6 | 22.6 |
| Samarkandskaya | 50.7 | 54.0 |
| Surkhan-Dar'inskaya | 43.4 | 50.0 |
| Tashkentskaya | 38.6 | 42.0 |

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Turkmen SSR

In 1952, kolkhozes of the republic fulfilled the plan for procurement of natural-grass hay 194 percent, alfalfa 63.5 percent, coarse hay 78.2 percent, and ensilage 94.5 percent.(30)

In 1952, kolkhozes of the republic received 85 million more rubles for cotton delivered to the state than in 1950, the last year of the postwar five-year plan. They were paid more than 270 million rubles in premiums and bonuses alone for deliveries of raw cotton in excess of the established yield plan.(31)

Tadzhik SSR

High in the mountains on the Khashikat, one of the tributaries of the Zeravshan River, work is in progress on construction of a hydroelectric power station with a capacity of 520 kilowatts. The diversion canal is now being built.(32)

Kirgiz SSR

As of 5 January 1953, the plan for procurement of tobacco from the 1952 harvest had been fulfilled in the republic as follows: Dzhahalal-Abadskaya Oblast, 86.0 percent; Oshskaya Oblast, 94.5 percent; and Talasskaya Oblast, 83.8 percent.(22) As of 10 January, it had been fulfilled as follows: Dzhahalal-Abadskaya Oblast, 88.1 percent; Oshskaya Oblast, 98.2 percent; and Talasskaya Oblast, 86.4 percent.(33)

In 1952, 15 rural electric power stations were built in the republic; 12 of these have gone into operation, furnishing power for about 5,000 light bulbs in 31 kolkhozes. In 1953, it is planned to build 31 new stations, more than half of which are to go into operation by the end of the year.(34)

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7. Vil'nyus, Sovetskaya Litva, 4 Jan 53
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9. Ibid., 13 Jan 53
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13. Ibid., 14 Jan 53

- 7 -

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

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- E N D -

- 8 -

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